



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Serial No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
PO038191	MES002-VC	1	1	COD	M4130NB0.500X03.000	4130 Bar 0.500 X 3.00 : MATERIAL: AISI 4130N STEEL BAR PER MIL-S-6758 OR AMS 6345/6348/6370/6528 receive ft				60		60		S007337	Stock	11/7/2017	\$ 30.38 / ft	0		\$1,822.63	Metaux Solutions
		2	M304B0.250x0.500		304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft				180		195		S007338	Stock	11/7/2017	\$ 4.25 / ft	0		\$828.75	Metaux Solutions	
		3	MSTEEL-A2-B0.500X1.250		AISI A2 Tool Steel Bar, 0.500 X 1.250 : MATERIAL: AISI A2 STEEL, ANNEALED CONDITION AS PER ASTM A681 receive ft				36		36		S007339	Stock	11/7/2017	\$ 12.37 / ft	0		\$445.32	Metaux Solutions	
Total:										276		291								\$2,426.59	

Plex 11/7/2017 10:00 AM Dart.Plouffe.Sonia

Shipping Order

03/11/2017

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7
Tel.: 450 641-3330

Order : 130034
Reference : 38191
Ship : PICK UP / PICK UP

Customer: 6323336

Ship To

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Qty. Delivered	B/O Qty
	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N			
MP124130N	4130 NORM PLATE .500 THICK AMS 6345 51 X 3" X 14" HT: 248571	14.79	14.79	Ø
SF14124HR	304 STAIN FLA .25" X .500" HR 15 X 13' R/L HT: 56900655	195	195	Ø
TP12A2	A-2 PLATE TFA 1/2" THICK 3 X 1.250" -0+0 X 145.75" R/L HT: PM91298	82	82	Ø
	JOURNEY COLLECT JP			

SEP 11-7

Shipping : _____
Package No : _____

Ref. : _____

Merchandise Received: _____

NUCOR STEEL

4537 S. NUCOR ROAD; CRAWFORDSVILLE, IN 47933

REPORT OF TESTS

ATTN:	DATE: 1/20/15
FAX:	
SOLD TO:	JSTOMER ORDER # 081414MC
SIZE: 0.500" by 36" steel sheet	PRODUCT: HRPO light oil FINE GRAIN AIRCRAFT QUALITY 4130 AMS 6345 Rev C ASTM-A 506 ASTM-A-635 AMS 2301 Rev J [successor to MIL-S-18729 COND N.] NORMALIZED OR OTHERWISE HEAT TREATED

AMS 6345

COIL #	HEAT #	YIELD	TENSILE	ELONG
1961550	248571-06	81.5 ksi	115 ksi	20%

TEST	RESULT	
*Average austenite grain size	#8	Pass
Decarburization (P/F)		Pass
*Bend Test (P/F)		Pass
*Response to Heat Treatment (P/F)	45 HRC	Pass
*AMS 2301 Quality Freq/Sev (P/F)	0/0	Pass

*These tests performed by outside lab, ISO 17025 certified.

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HEAT #	C	Mn	P	S	Al	Si	N	Cr	Ni	Cu	Mo
248571	0.287	0.55	0.006	0.000	0.028	0.208	0.007	0.860	0.017	0.043	0.165

WE HEREBY CERTIFY THE ABOVE
IS CORRECT AS CONTAINED IN
THE RECORDS OF THE CORPORATION.

Melted and Manufactured in the USA


Cold Mill Metallurgist

QF-0200, 10/17/05

BOLLINGHAUS® STEEL Bollinghaus Steel, SA DIN EN ISO 9001:2008 TÜV CERT No. 01 100 030458	Abnahmeprüfzeugnis/Mill Test Certificate/Certif. de Qualidade EN 10204:2004 / 3.1		No.: /Nr.: /Nº.: 0000119911												
	Unsere Innere Verweisung / Our Int. Ref/ N/ ref Int 5600031591 000040		Datum / Date / Data 26.09.2016												
Normen / Standards / Normas TYPE 304/UNS S30400 and TYPE 304L/UNS S30403 acc. to ASTM A479/A479M-16, A276/A276M-16a, SAE-AMS-QQ-S 7630, AMS5639H, AMS5647J, ASME SA479/SA479M, ASME SA276, ASTM A182/A182M-16a F304/304L, A193/A193M-16 CL 1Gr.B8, ASTM A314-15, ASTM A320/A320M-15a, DOD-F24669/6, ASME SA182/SA182M, ASME SA 193/SA193M, ASME SA320 CL 1Gr.B8, ASTM A262-15 Practice E, grain size as per ASTM E112, NACE MR 0175, Mercury free statement, not weld repair statement, contents of N, Co, Mo and Cu, in hot rolled, solution annealed, pickled, straightened execution as per ASTM A484/A484M-16.															
Kunde / Customer / Cliente			Endgültiger Kunde / Final Customer / Cliente Final												
Bestell Nr./Order Nr./Enc.Nr. C105024			Bestell Nr./Order Nr./Enc.Nr. C105024.01												
Produktgruppe / Product Group / Grupo Produto AISI 304/L FLAT 1/4 X 1/2"		Gewicht / Weight / Peso 1.059 lb		Bunde / Bundle / Atados 01											
Werkstoff-Nr. Material no. Qualidade 1.4307		Werkstoff-Normbezeichnung / Material standard grade / Norma do material X 2 CrNi 18-9													
Beschreibung / Description / Descrição Stainless steel flat bars, hot rolled, solution annealed, straightened, pickled. US DRAR 252.225-7009: MELT SOURCE: United Kingdom / MFG: Portugal. <div style="text-align: right;"> DAI 38 9-88 NOV 07 2017 </div>															
Chemische Analyse in % / Chemical composition in % / Análise química em %															
Schmelz-Nr. Cast nr. / Fundo nr. 56000655 56400655 EAF+AOD		C	0.030	Si	0.228	Mn	1.830	P	0.030	S	0.025	Cr	18.100	Ni	8.100
		Mo	0.430	Co	0.205	Cu	0.290	N	0.084	Ti	0.003	Nb	0.021	Al	0.005
Problem Nr. Test no. Análise no. 4082619.01.01		ASTM E399 Kerbschlagarbeit Impact Test Resistência (Charpy V) [J]		ASTM A370 Streckgrenze Yield point Tensão limite Rp 0.2 % [Ksi]		Dehngrenze 1% point Limite de extensão Rp 1.0% [Ksi]		Zugfestigkeit Tensile strength Tensão de rotura Rm [Ksi]		Dehnung Elongation Alongamento A5 [%]		Einschnürung Reduction of area Coef. Estricção Z [%]			
		47.1		54.5		93.5		56.1		59.3		72.9			
Visuelle Kontrolle Visual inspection Inspeção visual <input checked="" type="checkbox"/> OK		ASTM E10 Härte Hardness Dureza 190 [HB]		ASTM A262 Practice E Korrosionsbeständigkeit IC Test Corrosão Intermetálica <input checked="" type="checkbox"/> OK		Wärmebehandlung Heat treatment Tratamento térmico Annealed Quenched 1900 °F (1050 °C) (water quenched)									
ASTM A404 Maßkontrolle Dimensional inspection Inspeção dimensional <input checked="" type="checkbox"/> OK		ASTM E112 Korngröße Grain size Tamanho de grão 9		Werkstoffverständiger Quality Control Representative Inspector da Qualidade N305											
Verwechslungsprüfung Test of identity Teste de identificação <input checked="" type="checkbox"/> OK		Makroskopische Untersuchung Macrographic test Material free from segregation defects. <input checked="" type="checkbox"/> OK		Nuno Silva (N - NS)											
Bemerkungen / Remarks / Observações Country of origin: Portugal. No weld repair done. Material is free of mercury and radiation contamination.				Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht. We confirm that this material meets the specification according to the mentioned standards. Confirmamos que este material respeita as especificações de acordo com as normas referidas.											

19447

CERTIFICAT D'ANALYSE

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

3 Nov 2017

Product Description

A2-05000

1/2 X 32 15/16" X 146" A2 PLATE

ASTM A-681-08

DFARS Compliant

PLATE# : 420686A

Country of Origin USA

C - 0.9900 Mn - 0.7400
Cr - 5.0600 Mo - 1.0100

Shipped Pcs
1.00

PM HEAT# : 91298

Back Ordred
0.00

PO LINE

BHN 247.00

P - 0.0200 S - 0.0020 Si - 0.3800 Ni - 0.3800
Cu - 0.2500 V - 0.3300 W - 0.0600

ITEM 3: 3 X 1.250" X 145.75"

COMMANDE : 130034

REF : 37489

QAS
38
2-88
NOV 07 2017

Métaux Solutions inc. certifie que les analyses sur ce document sont exactes et que le matériel rencontre les spécifications énumérées.

Préparé par



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 14 steel - 4280.500 x 1.250 PO / BATCH NO.: PO 38191 / 5007339
 DATE: 17-11-07

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 36'
 QUANTITY INSPECTED: 36'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500 x 1.250
 THICKNESS RECEIVED: 0.500 x 1.250
 SHEET SIZE ORDERED: 0
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	<u>HT PM91298</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>38</u> DATE: <u>NOV 07 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI A2 TOOL STEEL, ANNEALED CONDITION

SPECIFICATION: ASTM A681

PART NUMBER: MSTEEL-A2-BT.TTT X W.WWW

WHERE "T.TTT" = THICKNESS IN INCHES
"W.WWW" = WIDTH IN INCHES

EG. 0.500" X 1.250" BAR = MSTEEL-A2-B0.500X1.250

TOLERANCES: PER ASTM A681 AS FOLLOWING

TABLE 14 Hot-Rolled Flat Bars
(Width and Thickness Tolerances Width Tolerances)^a

Specified Widths, in. (mm)	Specified Widths, in. (mm)				Width Tolerances, in. (mm)							
	Under		Over		Under		Over		Under		Over	
To 1 (25.4), incl	0.016 (0.41)		0.031 (0.79)		0.016 (0.41)		0.031 (0.79)		0.016 (0.41)		0.031 (0.79)	
Over 1 to 3 (25.4 to 76), incl	0.016 (0.41)		0.031 (0.79)		0.016 (0.41)		0.031 (0.79)		0.016 (0.41)		0.031 (0.79)	
Over 3 to 5 (76 to 127), incl	0.016 (0.41)		0.031 (0.79)		0.016 (0.41)		0.031 (0.79)		0.016 (0.41)		0.031 (0.79)	
Over 5 to 7 (127 to 178), incl	0.016 (0.41)		0.031 (0.79)		0.016 (0.41)		0.031 (0.79)		0.016 (0.41)		0.031 (0.79)	
Over 7 to 10 (178 to 254), incl	0.016 (0.41)		0.031 (0.79)		0.016 (0.41)		0.031 (0.79)		0.016 (0.41)		0.031 (0.79)	
Over 10 to 12 (254 to 305), incl	0.016 (0.41)		0.031 (0.79)		0.016 (0.41)		0.031 (0.79)		0.016 (0.41)		0.031 (0.79)	
Thickness Tolerances for Specified Thicknesses, in. (mm)												
Specified Thicknesses, in. (mm)	To 1/4 (6.4), incl		Over 1/4 to 1/2 (6.4 to 12.7), incl		Over 1/2 to 1 (12.7 to 25.4), incl		Over 1 to 2 (25.4 to 50.8), incl		Over 2 to 3 (50.8 to 76), incl		Over 3 to 4 (76 to 102), incl	
	Under	Over	Under	Over	Under	Over	Under	Over	Under	Over	Under	Over
To 1 (25.4), incl	0.006 (0.15)	0.010 (0.25)	0.008 (0.20)	0.012 (0.30)	0.010 (0.25)	0.016 (0.41)	0.006 (0.15)	0.010 (0.25)	0.006 (0.15)	0.010 (0.25)	0.006 (0.15)	0.010 (0.25)
Over 1 to 2 (25.4 to 50.8), incl	0.006 (0.15)	0.014 (0.36)	0.008 (0.20)	0.016 (0.41)	0.010 (0.25)	0.020 (0.51)	0.006 (0.15)	0.020 (0.51)	0.006 (0.15)	0.020 (0.51)	0.006 (0.15)	0.020 (0.51)
Over 2 to 3 (50.8 to 76), incl	0.006 (0.15)	0.018 (0.46)	0.008 (0.20)	0.020 (0.51)	0.010 (0.25)	0.024 (0.61)	0.006 (0.15)	0.024 (0.61)	0.006 (0.15)	0.024 (0.61)	0.006 (0.15)	0.024 (0.61)
Over 3 to 4 (76 to 102), incl	0.008 (0.20)	0.020 (0.51)	0.010 (0.25)	0.022 (0.56)	0.013 (0.33)	0.024 (0.61)	0.008 (0.20)	0.024 (0.61)	0.008 (0.20)	0.024 (0.61)	0.008 (0.20)	0.024 (0.61)
Over 4 to 5 (102 to 127), incl	0.010 (0.25)	0.020 (0.51)	0.012 (0.30)	0.024 (0.61)	0.015 (0.38)	0.030 (0.76)	0.010 (0.25)	0.030 (0.76)	0.010 (0.25)	0.030 (0.76)	0.010 (0.25)	0.030 (0.76)
Over 5 to 6 (127 to 152), incl	0.012 (0.30)	0.020 (0.51)	0.014 (0.36)	0.030 (0.76)	0.018 (0.46)	0.030 (0.76)	0.012 (0.30)	0.030 (0.76)	0.012 (0.30)	0.030 (0.76)	0.012 (0.30)	0.030 (0.76)
Over 6 to 7 (152 to 178), incl	0.014 (0.36)	0.027 (0.69)	0.016 (0.41)	0.032 (0.81)	0.018 (0.46)	0.036 (0.89)	0.014 (0.36)	0.036 (0.89)	0.014 (0.36)	0.036 (0.89)	0.014 (0.36)	0.036 (0.89)
Over 7 to 8 (178 to 203), incl	0.016 (0.41)	0.030 (0.76)	0.020 (0.51)	0.035 (0.89)	0.024 (0.61)	0.040 (1.02)	0.016 (0.41)	0.040 (1.02)	0.016 (0.41)	0.040 (1.02)	0.016 (0.41)	0.040 (1.02)
Over 8 to 9 (203 to 229), incl	0.018 (0.46)	0.030 (0.76)	0.020 (0.51)	0.035 (0.89)	0.024 (0.61)	0.040 (1.02)	0.018 (0.46)	0.040 (1.02)	0.018 (0.46)	0.040 (1.02)	0.018 (0.46)	0.040 (1.02)
Over 9 to 10 (229 to 254), incl	0.020 (0.51)	0.035 (0.89)	0.025 (0.64)	0.040 (1.02)	0.030 (0.76)	0.045 (1.14)	0.020 (0.51)	0.045 (1.14)	0.020 (0.51)	0.045 (1.14)	0.020 (0.51)	0.045 (1.14)
Over 10 to 12 (254 to 305), incl	0.020 (0.51)	0.035 (0.89)	0.025 (0.64)	0.040 (1.02)	0.030 (0.76)	0.045 (1.14)	0.020 (0.51)	0.045 (1.14)	0.020 (0.51)	0.045 (1.14)	0.020 (0.51)	0.045 (1.14)

^a Out of square tolerance to be 1/8" of total width tolerance max.

RELEASED
2012-09-12

A		NEW ISSUE		DESCRIPTION		AP		12.09.06	
REV	BY	DATE	DESIGN	AP	DATE	DESIGN	AP	DATE	DATE
1			DESIGN	AP		DESIGN	AP		
2			CHECKED	AP		CHECKED	AP		
3			MFG. APPR.	AP		MFG. APPR.	AP		
4			APPROVED	AP		APPROVED	AP		
5			DE APPR.	AP		DE APPR.	AP		
DATE		12.09.06		DART AEROSPACE LTD		HAWKESBURY, ONTARIO, CANADA		REV. A	
				DRAWING NO.		MSTEEL-A2		SHEET 1 OF 1	
				TITLE		AISI A2 TOOL STEEL		SCALE	
				DATE		12.09.06		NTS	

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 304 B0.250x0.500

PO / BATCH NO.: PO 38191 / 5007338

DATE: 17-11-07

MATERIAL CERT REC'D: Yes

THICKNESS ORDERED: 0.250x0.500

QUANTITY RECEIVED: 195'

THICKNESS RECEIVED: 0.250x0.500

QUANTITY INSPECTED: 195'

SHEET SIZE ORDERED: Ø

QUANTITY REJECTED: Ø

SHEET SIZE RECEIVED: Ø

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	N	
CORROSION	Y	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	Y	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	N	HT 56900655
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>D46 38 2-89</u> DATE: <u>NOV 07 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
(NOTE: AISI 303 NOT ACCEPTABLE)

△ SPECIFICATION:

ASTM A276 OR ASTM A240

△ PART NUMBER:

M304B | T.TTT | X | WWW.WWW |
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
AND "WWW.WWW" = WIDTH IN INCHES

△ EG. 0.5" X 3.0" BAR = M304B0.500X03.000
EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

RELEASED
2010-11-30

C	ADDED PLATE TO PURCHASE MATERIAL, ADDED PLATE REVISIONS AND CHANGED TITLE FROM "304/316 BAR" TO "304/316 BAR/PLATE"	MB	10.11.25
B	REFORMAT DWG, ADD SPECS (ZN D6-1). REF PAR 08-020A	CP	09.07.15
A	NEW ISSUE	PH	05.06.10
REV.	DESCRIPTION	BY	DATE
DESIGN	PH		
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.11.25		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M304B			
TITLE 304/316 BAR/PLATE			
REV. C SHEET 1 OF 1			
SCALE NTS			
DATE 10.11.25			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M41301030.500X0.3.000

PO / BATCH NO.: 38191 / 5007337

DATE: 17-11-07

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 60'
 QUANTITY INSPECTED: 60'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500 X 03.00
 THICKNESS RECEIVED: 0.500 X 03.00
 SHEET SIZE ORDERED: 0
 SHEET SIZE RECEIVED: 0

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	N	
CORROSION	Y	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	N	
CORRECT THICKNESS	<input checked="" type="checkbox"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	N	
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	N	<u>HF 248571</u>
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>38</u> <u>NOV 07 2017</u> DATE:	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



PURCHASE MATERIAL: AISI 4130N STEEL BAR PER MIL-S-6758 OR AMS 6345/6348/6370/6528

PART NUMBER:

M4130N-B | T.TTT | X | WWW.WWW |
THICK | WIDTH

WHERE T.TTT = THICKNESS (IN INCHES)
WWW.WWW = WIDTH (IN INCHES)

EG. 0.5" X 3.0" BAR = M4130N-B0.500X03.000

RELEASED
08.07.09

B	ADD AMS 6345	PH	08.05.05
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>[Signature]</i>		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	M4130N-B	SHEET 1 OF 1
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	4130 BAR	NTS
DATE	08.05.05	COPYRIGHT © 2001 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD</small>	



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038191

Supplier: MES002-VC
Metaux Solutions
2625 boul Jacques-Cartier Est
Longueuil
QC
J4N 1L7 Canada
Phone: 800 558 8858
Fax: 514 633 8044

PO No: PO038191

PO Date: 10/30/17

Due Date:

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: clavoie@dartaero.com

REVISED

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: COD

Freight Terms:

Special Comments:

Items

Line Item	Part	Rev	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M4130NB0.500X03.000	-	4130 Bar 0.500 X 3.00 : MATERIAL: AISI 4130N STEEL BAR PER MIL-S-6758 OR AMS 6345/6348/6370/6528 receive ft		Firmed		60 ft	0 ft <i>60 ft</i>	60 ft	\$30.37723/ft	\$1,822.63
Line Item Note 51 pcs cut to length 14" = 60 ft											
2	M304B0.250x0.500	-	304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft		Firmed		180 ft	0 ft <i>195</i>	180 ft	\$4.25/ft	\$765.00
3	MSTEEL-A2-B0.500X1.250	-	AISI A2 Tool Steel Bar, 0.500 X 1.250 : MATERIAL: AISI A2 STEEL, ANNEALED CONDITION AS PER ASTM A681 receive ft		Firmed		36 ft	0 ft <i>36 ft</i>	36 ft	\$12.37/ft	\$445.32
Line Item Note TOLERANCE -0+0" AS PER QUOTATION #16619 CUT AT 1.25"											
										Grand Total:	\$3,032.95

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)



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Order Notes

A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 10/31/17 2:52 PM dart.lavoie.chantal